

PATRICK J. RABIER AND WERNER C. RHEINOLDT (Pittsburgh, Pennsylvania) Time-Dependent Linear DAEs With Discontinuous Inputs . . . . .	1
ATSUMI OHARA, NOBUHIDE SUDA (Osaka, Japan), AND SHUN-ICHI AMARI (Tokyo, Japan) Dualistic Differential Geometry of Positive Definite Matrices and Its Applications to Related Problems . . . . .	31
THOMAS J. LUNDY (Laramie, Wyoming), JOHN MAYBEE, AND JAMES VAN BUSKIRK (Boulder, Colorado) On Maximal Sign-Nonsingular Matrices . . . . .	55
S. AMBIKKUMAR AND S. W. DRURY (Montreal, Quebec, Canada) A Reverse Hadamard Inequality . . . . .	83
V. SIMONCINI (Modena, Italy) AND E. GALLOPOULOS (Patras, Greece) Convergence Properties of Block GMRES and Matrix Polynomials . . . .	97
ARNO VAN DEN ESSEN AND ENGELBERT HUBBERS (Nijmegen, The Netherlands) Polynomial Maps With Strongly Nilpotent Jacobian Matrix and the Jacobian Conjecture . . . . .	121
THOMAS L. MOELLER AND JAIME MILSTEIN (El Segundo, California) Algebraic Representations for Finite-State Machines. II. Module Formulation . . . . .	133
D. DE CAEN (Kingston, Ontario, Canada) Degree of Indecomposability of Certain Highly Regular Zero-One Matrices . . . . .	151
KEVIN BOWMAN (Preston, Lancashire, England) AND DAVID A. TOWERS (Lancaster, England) On Almost Nilpotent-by-Abelian Lie Algebras . . . . .	159
KRYSTYNA ZIĘTAK (Wrocław, Poland) On Approximation Problems With Zero-Trace Matrices . . . . .	169
LAUREANO GONZÁLEZ-VEGA (Santander, Spain) An Elementary Proof of Barnett's Theorem About the Greatest Common Divisor of Several Univariate Polynomials . . . . .	185
T. L. HAYDEN, JON LEE, JIM WELLS (Lexington, Kentucky), AND P. TARAZAGA (Mayaguez, Puerto Rico) Block Matrices and Multispherical Structure of Distance Matrices . . . .	203

PATRICK J. RABIER AND WERNER C. RHEINOLDT (Pittsburgh, Pennsylvania) Time-Dependent Linear DAEs With Discontinuous Inputs . . . . .	1
ATSUMI OHARA, NOBUHIDE SUDA (Osaka, Japan), AND SHUN-ICHI AMARI (Tokyo, Japan) Dualistic Differential Geometry of Positive Definite Matrices and Its Applications to Related Problems . . . . .	31
THOMAS J. LUNDY (Laramie, Wyoming), JOHN MAYBEE, AND JAMES VAN BUSKIRK (Boulder, Colorado) On Maximal Sign-Nonsingular Matrices . . . . .	55
S. AMBIKKUMAR AND S. W. DRURY (Montreal, Quebec, Canada) A Reverse Hadamard Inequality . . . . .	83
V. SIMONCINI (Modena, Italy) AND E. GALLOPOULOS (Patras, Greece) Convergence Properties of Block GMRES and Matrix Polynomials . . . .	97
ARNO VAN DEN ESSEN AND ENGELBERT HUBBERS (Nijmegen, The Netherlands) Polynomial Maps With Strongly Nilpotent Jacobian Matrix and the Jacobian Conjecture . . . . .	121
THOMAS L. MOELLER AND JAIME MILSTEIN (El Segundo, California) Algebraic Representations for Finite-State Machines. II. Module Formulation . . . . .	133
D. DE CAEN (Kingston, Ontario, Canada) Degree of Indecomposability of Certain Highly Regular Zero-One Matrices . . . . .	151
KEVIN BOWMAN (Preston, Lancashire, England) AND DAVID A. TOWERS (Lancaster, England) On Almost Nilpotent-by-Abelian Lie Algebras . . . . .	159
KRYSTYNA ZIĘTAK (Wrocław, Poland) On Approximation Problems With Zero-Trace Matrices . . . . .	169
LAUREANO GONZÁLEZ-VEGA (Santander, Spain) An Elementary Proof of Barnett's Theorem About the Greatest Common Divisor of Several Univariate Polynomials . . . . .	185
T. L. HAYDEN, JON LEE, JIM WELLS (Lexington, Kentucky), AND P. TARAZAGA (Mayaguez, Puerto Rico) Block Matrices and Multispherical Structure of Distance Matrices . . . .	203

*Table of Contents continued*

C. C. COWEN, P. A. FERGUSON (West Lafayette, Indiana), D. K. JACKMAN (Wooster, Ohio), E. A. SEXAUER (Richmond, Virginia), C. VOGT, AND H. J. WOOLF (West Lafayette, Indiana)	
Finding Norms of Hadamard Multipliers . . . . .	217
R. FUSTER (Valencia, Spain), V. MIGALLÓN, AND J. PENADÉS (Alicante, Spain)	
Parallel Chaotic Extrapolated Jacobi-like Methods . . . . .	237
BELLA I. WAINBERG (New York, New York) AND HUGO J. WOERDEMAN (Williamsburg, Virginia)	
The Maximum Row Length Nonsingularity Radius . . . . .	251
M. PURIFICAÇÃO COELHO (Lisboa, Portugal)	
On Linear Preservers of Immanants . . . . .	265
MIHALIS MALIAKAS (Athens, Greece)	
On a Character Formula Involving Borel Subgroups . . . . .	273
C. KOUKOUVINOS, M. MITROULI (Athens, Greece), AND JENNIFER SEBERRY (Wollongong, Australia)	
On the Smith Normal Form of $D$ -Optimal Designs . . . . .	277
P. N. SHIVAKUMAR AND CHUANXIANG JI (Winnipeg, Canada)	
Upper and Lower Bounds for Inverse Elements of Finite and Infinite Tridiagonal Matrices . . . . .	297
YVES V. GENIN (Louvain-La-Neuve, Belgium)	
On Polynomials Nonnegative on the Unit Circle and Related Questions . . . . .	317
HON-KWOK FUNG (Hong Kong)	
A Note on Linear Transformations Which Leave Controllable Multiinput Descriptor Systems Controllable . . . . .	327
XINGZHI ZHAN AND JIANJUN XIE (Shanghai, China)	
On the Matrix Equation $X + A^T X^{-1} A = I$ . . . . .	337
I. GOHBERG (Tel-Aviv, Israel), M. A. KAASHOEK (Amsterdam, The Netherlands), AND L. LERER (Haifa, Israel)	
Factorization of Banded Lower Triangular Infinite Matrices . . . . .	347
AUGUSTO FERRANTE (Padova, Italy) AND BERNARD C. LEVY (Davis, California)	
Hermitian Solutions of the Equation $X = Q + NX^{-1}N$ . . . . .	359
AUTHOR INDEX . . . . .	375